



Weekly Field Work Summary
1-5 October 2018
PFAS RI Field Program, Former Fort Devens, Massachusetts

1.0 WORK COMPLETED LAST WEEK

1.1 DPT Groundwater Profiling

Vertical profiling commenced at AOC 74.

- 74VP-18-11 samples collected at 10-foot intervals from 22-26 to 96-96 ft bgs. The rods deflected just after 96 ft bgs. The hole was grouted.
- 74VP-18-07 samples collected at 25-29 ft bgs and at 10-foot intervals from 37-41 to 87-91 ft bgs. Samples were attempted at subsequent intervals to 121 ft bgs but running sands clogged the screen and samples could not be collected with the equipment at the site. The hole was grouted.
- 74VP-18-08 samples collected at 10-foot intervals from 32-36 to 82-86 ft bgs. Additional samples will be attempted next week.

1.2 Existing Well Sampling

Completed sampling of the existing wells listed below.

- 57M-03-02X, 57M-03-03X, 57M-03-04X, 57M-03-05X, 57M-95-07X, 57WP-06-02, 92-4, 92-3, 92-1, CSMS-11-01, CSMS-11-02, GF-1, GF-2, GF-3A, GF-3B, GF-4, MNG-2R, MNG-3R, MNG-5R, and MNG-6R.
- The irrigation well at AOC 74.

Well 57WP-05-01 could not be located, therefore a sample was not collected.

Well 92-5 is blocked by equipment and sample tubing could not be inserted into the well, therefore a sample was not collected. This is a Town of Ayer well.

Well 92-2 is severely bent and sample tubing could not be inserted to the screen of the well, therefore a sample was not collected. This is a Town of Ayer well.

Existing well sampling for Area 1 is complete.

1.3 Soil Sampling

No work conducted.

1.4 Surface Water and Sediment Sampling

Completed sampling of the surface water and sediment locations listed below.

- Grove Pond locations 1 through 5.

A surface water and sediment sample will be collected from Balch Pond once access to the pond is attained. This is the only remaining surface water and sediment sample that needs to be collected for Area 1.

1.5 Overburden Monitoring Well Installation

No work conducted.

1.6 Bedrock Monitoring Well Installation

No work conducted.

2.0 FIELD CHANGES

The field change log is attached. Samples could not be collected from existing monitoring well 57WP-015-01, 92-5, and 92-2. Vertical profile location 75VP-18-09 was moved due to health and safety risks and is discussed in Section 4.0.



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3.0 ANALYTICAL RESULTS

No analytical results received during last week.

4.0 RECOMMENDATIONS

Vertical profiling location 75VP-18-09 was moved approximately 30 feet south because the originally proposed location is in a high traffic corridor and it posed a health and safety risk. The revised location is shown on the attached map.

5.0 QUALITY CONTROL AND SAFETY

Daily quality control review of field notes performed. Field kick-off meeting conducted on 01 October 2018 to discuss approach/process for field sampling and safety. Field assessment of quality and safety performed on 05 October 2018. No safety issues or incidents occurred during the week.

6.0 DELAYS/IMPACTS/ISSUES

- Fine sand and silt have been flowing into the vertical profile screen at deeper depths. The peristaltic pump was not able to maintain flow to the ground surface. Pumping method for intervals with running sands will be switched to using the check valve method. Modifications to the sampling screen and drilling procedures are being reviewed for implementation next week.
- Vegetation clearing is required to access DPT locations at AOC 57 and 74. We are discussing clearing needs with MassDev.
- Some of the drilling locations will be revised based on results of utility locating activities, safety considerations, and physical access considerations. The specific revisions will be presented in future weekly reports.

7.0 WORK PLANNED FOR NEXT WEEK

7.1 DPT Groundwater Profiling

Continue DPT locations at AOC 74. Eight vertical profiling locations remain for AOC 74.

7.2 Existing Well Sampling

No work planned.

7.3 Soil Sampling

No work planned.

7.4 Surface Water and Sediment Sampling

No work planned.

7.5 Overburden Monitoring Well Installation

No work planned.

8.0 FIELD SCHEDULE

The updated field schedule for the prior week and next three weeks is attached.



Field Change Log
PFAS Remedial Investigation Field Program
Former Fort Devens, Devens, Massachusetts

10/5/2018

Change No.	Date	Area	AOC	Location ID	Description	Action Taken
1	9/25/2018	1	57	57M-96-10X	Existing well blocked with roots/vegetation.	Sample will not be collected.
2	10/1/2018	1	57	57WP-05-01	Existing well could not be located.	Sample will not be collected.
3	10/5/2018	1	Grove Pond	92-5	Existing well is blocked with equipment and sample tubing could not be inserted.	Sample will not be collected.
4	10/5/2018	1	Grove Pond	92-2	Existing well is severely bent and a sampling tube could not be inserted to the well screen.	Sample will not be collected.
5	10/5/2018	1	75	75VP-18-09	The proposed location is within a high traffic area posing a health and safety risk.	Location was moved approximately 30 feet to the south.
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Devens PFAS Remedial Investigation Field Work Schedule

Field Staff Schedule

8-Oct-18

Task	Start	Finish	# of Work Days	10/1/2018	10/2/2018	10/3/2018	10/4/2018	10/5/2018	10/6/2018	10/7/2018	10/8/2018	10/9/2018	10/10/2018	10/11/2018	10/12/2018	10/13/2018	10/14/2018	10/15/2018	10/16/2018	10/17/2018	10/18/2018	10/19/2018	10/20/2018	10/21/2018	10/22/2018	10/23/2018	10/24/2018	10/25/2018	10/26/2018	
Establish Staging Area	9/24/2018	10/5/2018	10																											
Existing Well Sampling	9/24/2018	10/5/2018	6	MM	MM		MM	MM																						
				DK	DK		DK	OJ																						
SW/SED Sampling	9/26/2018	10/3/2018	3			MM	MM																							
						DK	DK																							
GW Profiling																														
DPT Rig 1	10/1/2018	11/30/2018	43	KA	KA	KA	KA	KA/DK			KA	KA	KA	KA	KA			KA	KA	KA	KA	KA				KA	KA	KA	KA	KA
DPT Rig 2	10/8/2018	11/30/2018	38								DK	DK	DK	DK	DK			DK	DK	DK	DK/AK	AK				AK	AK	AK	AK	AK
Soil Sampling	12/3/2018	12/11/2018	7																											
OB Monitoring Wells																														
Rig 1	11/19/2018	12/21/2018	23																											
Rig 2	11/19/2018	12/21/2018	23																											
OB Well Sampling	1/7/2018	1/10/2018	4																											

KA = Kevin Anderson (KGS)

MM = Melissa Miller (KGS)

BA = Brett Anchukaitis (KGS)

CV = Chris Vignola (KGS)

OJ = Owen Jackson (KGS)

DK = David Kortjohn (Jacobs)

AK = Alex Klisiaris (Jacobs)